

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062519\
 Data File : VD062892.D
 Acq On : 25 Jun 2019 22:58
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/27/2019 12:44:51 AM

Quant Time: Jun 26 07:14:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	899966	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1277450	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1070452	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	572810	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	441693	45.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.30%	
35) Dibromofluoromethane	6.94	113	474117	44.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.04%	
50) Toluene-d8	10.42	98	1051440	44.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.70%	
62) 4-Bromofluorobenzene	13.56	95	490257	45.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	491408	42.196	ug/l	100
3) Chloromethane	1.76	50	383788	43.819	ug/l	98
4) Vinyl Chloride	1.85	62	402018	46.294	ug/l	99
5) Bromomethane	2.15	94	185616	45.642	ug/l	97
6) Chloroethane	2.27	64	187797	47.767	ug/l	89
7) Trichlorofluoromethane	2.53	101	784596	44.644	ug/l	98
8) Diethyl Ether	2.87	74	122745	54.969	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.15	101	471738	49.547	ug/l	91
10) Methyl Iodide	3.30	142	632703	50.370	ug/l	98
11) Tert butyl alcohol	4.09	59	116881	262.335	ug/l #	87
12) 1,1-Dichloroethene	3.13	96	361109	50.558	ug/l	91
13) Acrolein	3.04	56	100889	221.810	ug/l	98
14) Allyl chloride	3.62	41	551462	52.253	ug/l	97
15) Acrylonitrile	4.20	53	307852	294.061	ug/l	95
16) Acetone	3.23	43	510428	257.508	ug/l	97
17) Carbon Disulfide	3.37	76	1052309	46.099	ug/l	96
18) Methyl Acetate	3.65	43	204277	69.174	ug/l	96
19) Methyl tert-butyl Ether	4.24	73	901330	58.293	ug/l	95
20) Methylene Chloride	3.82	84	385170	51.628	ug/l	93
21) trans-1,2-Dichloroethene	4.22	96	390974	51.409	ug/l	93
22) Diisopropyl ether	5.14	45	1200702	55.944	ug/l	97
23) Vinyl Acetate	5.07	43	3638724	270.939	ug/l	98
24) 1,1-Dichloroethane	4.99	63	725443	51.914	ug/l	98
25) 2-Butanone	6.08	43	527495	288.308	ug/l	97
26) 2,2-Dichloropropane	6.03	77	683665	46.158	ug/l	97
27) cis-1,2-Dichloroethene	6.04	96	432364	53.761	ug/l	93
28) Bromochloromethane	6.44	49	285027	57.914	ug/l	99
29) Tetrahydrofuran	6.46	42	265374	306.555	ug/l	97
30) Chloroform	6.67	83	880835	51.831	ug/l	96
31) Cyclohexane	6.96	56	420330	45.756	ug/l	94
32) 1,1,1-Trichloroethane	6.88	97	838924	47.395	ug/l	95
36) 1,1-Dichloropropene	7.15	75	607739	50.256	ug/l	98
37) Ethyl Acetate	6.19	43	260590	51.328	ug/l	99
38) Carbon Tetrachloride	7.12	117	864250m	47.520	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	8.87	83	491623	46.185	ug/l	99
40) Benzene	7.46	78	1157172	47.671	ug/l	98
41) Methacrylonitrile	6.46	41	349362	54.782	ug/l #	89
42) 1,2-Dichloroethane	7.59	62	655765	49.521	ug/l	100
43) Isopropyl Acetate	9.25	43	333846	52.658	ug/l	97
44) Trichloroethene	8.54	130	475208	49.935	ug/l	94
45) 1,2-Dichloropropane	8.95	63	312086	51.705	ug/l	95
46) Dibromomethane	9.06	93	257580	49.679	ug/l	98
47) Bromodichloromethane	9.38	83	691486	51.351	ug/l	97
48) Methyl methacrylate	9.12	41	245701	54.536	ug/l	95
49) 1,4-Dioxane	9.08	88	41491	1106.938	ug/l	92
51) 4-Methyl-2-Pentanone	10.30	43	1163840	258.922	ug/l	97
52) Toluene	10.51	92	827854	50.735	ug/l	96
53) t-1,3-Dichloropropene	10.91	75	597398	54.203	ug/l	96
54) cis-1,3-Dichloropropene	10.05	75	607851	50.741	ug/l	92
55) 1,1,2-Trichloroethane	11.20	97	289638	51.666	ug/l	93
56) Ethyl methacrylate	11.05	69	312285	52.126	ug/l	98
57) 1,3-Dichloropropane	11.41	76	420933	49.039	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.86	63	815745	265.224	ug/l	100
59) 2-Hexanone	11.53	43	918357	286.875	ug/l	99
60) Dibromochloromethane	11.69	129	537800	51.504	ug/l	100
61) 1,2-Dibromoethane	11.81	107	358033	54.076	ug/l	95
64) Tetrachloroethene	11.26	164	453702	51.498	ug/l	96
65) Chlorobenzene	12.40	112	1051872	52.947	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.52	131	474181	51.038	ug/l	93
67) Ethyl Benzene	12.53	91	1758462	49.301	ug/l	98
68) m/p-Xylenes	12.68	106	1166249	93.880	ug/l	94
69) o-Xylene	13.05	106	607506	53.495	ug/l	100
70) Styrene	13.07	104	1076071	53.947	ug/l	95
71) Bromoform	13.24	173	355733	55.885	ug/l	96
73) Isopropylbenzene	13.40	105	1826903	49.742	ug/l	99
74) N-amyl acetate	13.27	43	469080	52.592	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.70	83	325580	54.407	ug/l	100
76) 1,2,3-Trichloropropane	13.74	75	367654	55.598	ug/l	91
77) Bromobenzene	13.67	156	513355	51.966	ug/l	95
78) n-propylbenzene	13.78	91	2002175	46.837	ug/l	99
79) 2-Chlorotoluene	13.84	91	1280357	52.411	ug/l	99
80) 1,3,5-Trimethylbenzene	13.94	105	1520781	49.296	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.47	75	86854	50.115	ug/l	94
82) 4-Chlorotoluene	13.95	91	1500903	51.033	ug/l	93
83) tert-Butylbenzene	14.19	119	1662738	48.354	ug/l	96
84) 1,2,4-Trimethylbenzene	14.24	105	1547284	48.934	ug/l	98
85) sec-Butylbenzene	14.37	105	1844470	49.352	ug/l	97
86) p-Isopropyltoluene	14.49	119	1636615	47.867	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	917376	51.805	ug/l	99
88) 1,4-Dichlorobenzene	14.54	146	837068	47.063	ug/l	98
89) n-Butylbenzene	14.80	91	1452730	45.396	ug/l	95
90) Hexachloroethane	15.01	117	448963	48.838	ug/l	98
91) 1,2-Dichlorobenzene	14.81	146	759231	50.112	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	66814	57.204	ug/l #	56

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	579841	48.993	ug/l	97
94) Hexachlorobutadiene	16.04	225	423446	46.833	ug/l	96
95) Naphthalene	16.12	128	935765	56.411	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	476804	52.434	ug/l	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

